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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2007; month=12; day=13; hr=10; min=18; sec=48; ms=335;]

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Reviewer Comments:

<210> 21

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_DNA

<222> (20)..(21)

<223> n stands for deoxy thymidine

<400> 21

ggaccaggaa auuccgauun n

21

If <213> response is Artificial, please give the source of genetic material in numeric identifier <223>, this type of error is shown in seq id 22.

Application No: 10542408 Version No: 1.0

Input Set:**Output Set:**

Started: 2007-11-21 18:01:39.451
Finished: 2007-11-21 18:01:41.039
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 588 ms
Total Warnings: 16
Total Errors: 4
No. of SeqIDs Defined: 22
Actual SeqID Count: 22

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
E 257	Invalid sequence data feature in <221> in SEQ ID (21)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
E 257	Invalid sequence data feature in <221> in SEQ ID (22)

Input Set:

Output Set:

Started: 2007-11-21 18:01:39.451
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Total Warnings: 16
Total Errors: 4
No. of SeqIDs Defined: 22
Actual SeqID Count: 22

Error code	Error Description
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (22)

SEQUENCE LISTING

<110> Takeda Pharmaceutical Company Limited

<120> Novel Screening Method

<130> G05-0036

<140> 10542408

<141> 2007-11-21

<150> JP 2003-010001

<151> 2003-01-17

<150> JP 2003-104540

<151> 2003-04-08

<150> JP 2003-194497

<151> 2003-07-09

<150> JP 2003-329080

<151> 2003-09-19

<150> PCT/JP2004/000248

<151> 2004-01-15

<160> 22

<210> 1

<211> 361

<212> PRT

<213> Homo sapiens

<400> 1

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Leu Glu Gln Ala Asn Arg Thr Arg Phe Pro Phe Phe Ser Asp Val Lys
      20              25              30
Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
      35              40              45
Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
      50              55              60
Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
      65              70              75              80
Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
      85              90              95
Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
      100             105             110
Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
      115             120             125
Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val His Leu Gln
      130             135             140
Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala
      145             150             155             160
Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe
      165             170             175
Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser

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	180		185		190										
Ile	Cys	Thr	Leu	Ile	Trp	Pro	Thr	Ile	Pro	Gly	Glu	Ile	Ser	Trp	Asp
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Val	Ser	Phe	Val	Thr	Leu	Asn	Phe	Leu	Val	Pro	Gly	Leu	Val	Ile	Val
	210						215					220			
Ile	Ser	Tyr	Ser	Lys	Ile	Leu	Gln	Ile	Thr	Lys	Ala	Ser	Arg	Lys	Arg
225					230					235					240
Leu	Thr	Val	Ser	Leu	Ala	Tyr	Ser	Glu	Ser	His	Gln	Ile	Arg	Val	Ser
			245						250					255	
Gln	Gln	Asp	Phe	Arg	Leu	Phe	Arg	Thr	Leu	Phe	Leu	Leu	Met	Val	Ser
		260						265						270	
Phe	Phe	Ile	Met	Trp	Ser	Pro	Ile	Ile	Ile	Thr	Ile	Leu	Leu	Ile	Leu
	275						280						285		
Ile	Gln	Asn	Phe	Lys	Gln	Asp	Leu	Val	Ile	Trp	Pro	Ser	Leu	Phe	Phe
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305					310					315					320
Tyr	Asn	Met	Thr	Leu	Cys	Arg	Asn	Glu	Trp	Lys	Lys	Ile	Phe	Cys	Cys
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<210> 2
 <211> 1083
 <212> DNA
 <213> Homo sapiens

<400> 2

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tacaacatga	cactgtgcag	gaatgagtg	aagaaaattt	tttgctgctt	ctgggtccca	1020
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ggc						1083

<210> 3
 <211> 361
 <212> PRT
 <213> Mus musculus

<400> 3

Met	Ser	Pro	Glu	Cys	Ala	Gln	Thr	Thr	Gly	Pro	Gly	Pro	Ser	His	Thr
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<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> primer

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<400> 5
gctgtggcat gcttttaaac 20

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<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

```

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<220>
<223> primer

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<400> 6
cgctgtggat gtctatttgc 20

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```

<210> 7
<211> 30
<212> DNA
<213> Artificial Sequence

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<220>
<223> primer

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<400> 7
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<210> 8
<211> 361
<212> PRT
<213> Rattus norvegicus

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<400> 8
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      5              10              15
Pro Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys

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Gly Asp His Arg Leu Val Leu Ser Val Leu Glu Thr Thr Val Leu Gly					
	35		40		45
Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu					
	50		55		60
Val Val Arg Arg Arg Arg Gly Ala Thr Val Ser Leu Val Leu Asn					
	65		70		75
Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu					
	85		90		95
Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His					
	100		105		110
Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr					
	115		120		125
Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg					
	130		135		140
Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala					
	145		150		155
Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu					
	165		170		175
Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro					
	180		185		190
Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp					
	195		200		205
Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val					
	210		215		220
Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg					
	225		230		235
Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser					
	245		250		255
Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser					
	260		265		270
Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu					
	275		280		285
Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe					
	290		295		300
Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu					
	305		310		315
Tyr Asn Met Ser Leu Phe Arg Ser Glu Trp Arg Lys Ile Phe Cys Cys					
	325		330		335
Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Glu Thr Ser Ile Arg					
	340		345		350
Arg Asn Asp Leu Ser Val Ile Ser Thr					
	355		360		

<210> 9

<211> 1083

<212> DNA

<213> Rattus norvegicus

<400> 9

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gccctggtgc tgggtggtgc cgcgcggcgc cgtggggcga cagtcagctt ggtgctcaac	240
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tacaacatgt	cgtgttccag	gagcgagtg	aggaagattt	tttgctgctt	ctttttccca	1020
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 <212> DNA
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<220>
 <223> primer

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<210> 11
 <211> 19
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 <213> Artificial Sequence

<220>
 <223> primer

<400> 11	
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 <213> Artificial Sequence

<220>
 <223> probe

<400> 12	
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<210> 13
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<220>
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<213> Artificial Sequence

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<211> 23
<212> DNA
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<220>
<223> primer

<400> 15
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<210> 16
<211> 24
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<220>
<223> primer

<400> 16
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<210> 17
<211> 22
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<220>
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<400> 17
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<210> 18
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<220>
<223> primer

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<210> 19
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<212> DNA
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 <220>
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 <400> 19
 cgctcctgaa cagcgacat 19

 <210> 20
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 <400> 20
 caactccgcc ctaaacccca ttctgt 26

 <210> 21
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <221> misc_DNA
 <222> (20)..(21)
 <223> n stands for deoxy thymidine

 <400> 21
 ggaccaggaa auuccgauun n 21

 <210> 22
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <221> misc_DNA
 <222> (1)..(2)
 <223> n stands for deoxy thymidine

 <400> 22
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